

INTERNATIONAL SEARCH REPORT

International application No. PCT/BR 2005/000032

A. CLASSIFICATION OF SUBJECT MATTER

IPC⁷: B65F 1/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: B65F, B65DDocumentation searched other than minimum documentation to the extent that such documents are included in the fields searched
United States Classification: 220/495.07Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EPODOC, PAJ, WPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3888406 A (NIPPLES TIMOTHY) 10 June 1975 (10.06.1975) <i>fig. 1-7, abstract.</i>	1-2
X	US 6102239 A (WIEN ABRAHAM) 15 August 2000 (15.08.2000) <i>fig. 1-13, abstract.</i>	1-2
X	JP 07 315502 A (FURUKAWA NAOKO) 5 December 1995 (05.12.1995) <i>fig. 1-2.</i>	1-2

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined, with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
27 May 2005 (27.05.2005)Date of mailing of the international search report
8 June 2005 (08.06.2005)Name and mailing address of the ISA/AT
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/BR 2005/000032.

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP	A	7315502A 2		none
US	A	3888406	1975-06-10	none